

09/15/25
1 of 9

CTGTCTTGGGCAGCTCAGAGAGAGAACATTTCTTTTCTTTTCTTTTTGATTTTTTTTGGGGTGGAGTCT
CACCTGTGTTGCCAGGTTGGAGGGTGTGATCTCGGCACACTGCGGCCTCCACCTCCCAGGCTCAAGCGATT
TCATGCCCTAGCCTCTCGAGTAGCTGGGACTGTAGCTGTGCACCACCACGCCTGGATAGTTTTTGTGTTTTT
AGTGGAGACGGGGTTTTACCATGTTGGCCGGGCTGGTCTTGAACCTCTGACCTCAACTGATTTGCCTGCCTT
GATCTCCCAAAGTGCTGGGATTACAGGTATCGAGAACCTTCCCTGCGAACTTCAGAGGAACTTCCAGCTGAT
GCGAGAGCTGGACCAGAGGACGGAAGATAAGAAAGCAGAGATTGACATCCTGGCTGCAGAGTACATCTCCAC
GGTGAAGACGCTGTCTCCAGACCAGCGCGTGGAGCGCTGCAGAAGATCCAGAAAGCCTACAGCAAGTGCAA
GGAATACAGTGACGACAAAGTGCAGCTGGCCATGCAGACCTACGAGATGGTGGATAAACACATTCTGAAGGCT
TGATGCAGACCTGGCGCGCTTTGAAGCAGATCTGAAGGACAAGATGGAGGGCAGTGATTTTGAAAGCTCCGG
AGGGCGAGGGTTAAAAAAGGCCGGGGTCAGAAAGAAAAAGAGGGTCCCGGGGCCGAGGCAGGAGGACATC
AGAGGAAGACACACCAAAGAAAAAGAAGCACAAAGGAGGGTCTGAGTTCACTGACACCATCCTGTCCGTGCA
CCCCCTCTGATGTGCTGGACATGCCCCGTGGACCCAAACGAACCCACGTACTGCCTGTGCCACCAGGTCTCCTA
TGGGGAGATGATTGGCTGTGACAATCCAGACTGTCCAATTGAGTGGTTTTCACTTGCCTGCGTGGACCTTAC
CACGAAACCCAAAGGAAAATGGTTCTGTCCACGGTGTGTCCAGGAAAAGAGGAAGAAGAAGTAGGAGGAGCT
GTGTGCCCCGGATCCGAGGAGCAAGTTAATCTGTCCCTTCATTCTGTGTCGCAATATTTCCCTTCCTTTAAAA
CTACCTTGTTTCGGTTGATACTTAGTAAC

figure 1

1 MRELDQRTEDKKAEIDILAAEYISTVKTLSPDQRVERLQKIQNAYSKCKEYSDDKVQLAM
61 QTYEMVDKHIRRLDADLARFEADLKDKMEGSDFFESSGGRGLKKGRGQKEKRGSRGRGRRT
121 SEEDTPKKKKHKGGSEFTDTILSVHPSDVLDPVDPNEPTYCLCHQVSYGEMIGCDNPDC
181 PIEWFHFACVDLTTPKPKGWFCPRCVQEKRRKKZ

figure 2

09/15/25 11:00

TGCTGA CCTCAGCCCTGGCGTGGGCATAGGAGGGTCTGCGTGGCTGAGCATCCAGTGTCTTCGTACTGCCA
 CTGACAGCCTCAGGCCTGATTTCCAGCACTGTCTGTCCAGGAGCAATG GGGAGCAAGAGTCACTCCACAAGAC
 TCTGGAGGCCTGATAGGTATCGAGAACCTTCCCTGCGAACTTCAGAGGAACCTCCAGCTGATGCGAGAGCTG
 GACCAGAGGACGGAAGATAAGAAAGCAGAGATTGACATCCTGGCTGCAGAGTACATCTCCACGGTGAAGACG
 CTGTCTCCAGACCAGCGCGTGGAGCGCCTGCAGAAGATCCAGAACGCCTACAGCAAGTGCAAGGAATACAGT
 GACGACAAAGTGCAGCTGGCCATGCAGACCTACGAGATGGTGGATAAACACATTCTGAAGGCTTGATGCAGAC
 CTGGCGCGCTTTGAAGCAGATCTGAAGGACAAGATGGAGGGCAGTGATTTTGAAAGCTCCGGAGGGCGAGGG
 TTAAGGAGGCGGGGTCAGAAAGAAAAAGAGGGTCCCGGGGCGGAGGCAGGAGGACATCAGAGGAAGAC
 ACACCAAAGAAAAAGAAGCACAAAGGAGGGTCTGAGTTCACTGACACCATCCTGTCCGTGCACCCCTCTGAT
 GTGCTGGACATGCCCCTGGACCCAAACGAACCCACGTACTGCCTGTGCCACCAGGTCTCCTATGGGGAGATG
 ATTGGCTGTGACAATCCAGACTGTCCAATTGAGTGGTTCCTTTGCCTGCGTGGACCTTACCACGAAACCC
 AAAGGAAAATGGTGA

figure 3

1 MGARVTPQDSGGLIGIENLPCELQRNFQLMRELDQRTEDKKAIEDILAAEYISTVKTLSP
 61 DQVERLQKIQNAYSKKEYSDDKVQLAMQTYEMVDKHIRRLDADLARFEADLKDKMEGS
 121 DFESSGGRGLKKGRGQKEKRGSRGRGRRTSEEDTPKKKKHKGGSEFTDTILSVHPSDVLD
 181 MPVDPNEPTYCLCHQVSYGEMIGCDNPDCPIEFWFHACVDLTTKPKGKWZ

figure 4

09715725 " 11.1600

TGCTGACCTCAGCCCTGGCGTGGGCATAGGAGGGTCTGCGTGGCTGAGCATCCAGTGTCTTCGTACTGCCA
 CTGACAGCCTCAGGCCTGATTTCCAGCACTGTCTGTCCAGGAGCAATGGGAGCAAGAGTCACTCCACAAGAC
 TCTGGAGGCCTGATAGGTATCGAGAACCTTCCCTGCGAACTTCAGAGGAAGTTCAGCTGATGCGAGAGCTG
 GACCAGAGGACGGAAGATAAGAAAGCAGAGATTGACATCCTGGCTGCAGAGTACATCTCCACGGTGAAGACG
 CTGTCTCCAGACCAGCGCGTGGAGCGCCTGCAGAAGATCCAGAACGCCTACAGCAAGTGCAAGGAATACAGT
 GACGACAAAGTGCACTGGCCATGCAGACCTACGAGATGGTGGATAAACACATTCTGAAGGCTTGATGCAGAC
 CTGGCGCGCTTTGAAGCAGATCTGAAGGACAAGATGGAGGGCAGTGATTTTGAAAGCTCCGGAGGGCGAGGG
 TTAAAAAAGGCCGGGGTCAGAAAGAAAAAGAGGGTCCCGGGGCCGAGGCAGGAGGACATCAGAGGAAGAC
 ACACCAAAGAAAAAGAAGCACAAAGGAGGGTCTGAGTTCACTGACACCATCCTGTCCGTGCACCCCTCTGAT
 GTGCTGGACATGCCCCGTGGACCCAAACGAACCCACGTACTGCCTGTGCCACCAGGTCTCCTATGGGGAGATG
 ATTGCTGTGACAATCCAGACTGTCCAATTGAGTGGTTTCACTTTGCCTGCGTGGACCTTACCACGAAACCC
 AAAGGAAAATGGTGA

figure 5

1 MGARVTPQDSGGLIGIENLPCELQRNFQLMRELDQRTEDKKAIEDILAAEYISTVKTLS
 61 DQVERLQKIQNAYSKKEYSDDKVQLAMQTYEMVDKHIRRLDADLARFEADLKDKMEGS
 121 DFESSGGRGLKKGRGQKEKGRSRGRGRRTSEEDTPKKKKHKGGSEFTDTILSVHPSDVLD
 181 MPVDPNEPTYCLCHQVSYGEMIGCDNPDCPIEFHFACVDLTTKPKGKWZ

figure 6

09715725-11600

1 TTTGCTGACCTCAGCCCTGCGTGGGCGTATTGAGGGTCTGCGTGGCTGAGCATCCAGTGT
 61 CCTTCGTACTGCCACTGACAGCCTCAGGCCTGATTTCCAGCACTGTCTGTCCAGGAGCAA
 121 TGGGAGCAAGAGTCACTCCACGAGACTCTGGAGGCCTGATAGGTATCGAGAACCTTCCCT
 181 GCGAACTTCAGAGGAACCTCCAGCTGATGCGAGAGCTGGACCAGAGGACGGAAGATAAGA
 241 AAGCAGAGATTGACATCCTGGCTGCAGAGTACATCTCCACGGTGAAGACGCTGTCTCCAG
 301 ACCAGCGCGTGGAGCGCCTGCAGAAGATCCAGAACGCCTACAGCAAGTGCAAGGAATACA
 361 GTGACGACAAAGTGCAGCTGGCCATGCAGACCTACGAGATGGTGGATAAAACACATTTCGAA
 421 GGCTTGATGCAGACCTGGCGCGCTTTGAAGCAGATCTGAAGGACAAGATGGAGGGCAGTG
 481 ATTTTGAAAGCTCCGGAGGGCGAGGGTTAAAAAAGGCCGGGGTCAGAAAGAAAAAGAG
 541 GGTCCCGGGGCCGAGGCAGGAGGACATCAGAGGAAGACACACCAAAGAAAAAGAAGCACA
 601 AAGGAGGGTCTGAGTTCACTGACACCATCCTGTCCGTGCACCCCTCTGATGTGCTGGACA
 661 TGCCCGTGGACCCAAACGAACCCACGTACTGCCTGTGCCACCAGGTCTCCTATGGGGAGA
 721 TGATTGGCTGTGACAATCCAGACTGTCCAATTGAGTGGTTTCACTTTGCCTGCGTGGACC
 781 TTACCACGAAACCCAAAGGAAAATGGTTCTGTCCACGGTGTGTCCAGGAAAAGAGGAAGA
 841 AGAAGTAGGAGGAGCTGTGTGCCCCGATCCGAGGAGCAAGTTAATCTGTCCCTTCATTCTG
 901 TGTCGCAATATTTCCCTTCCTTTTAAAACTACCTTGTTTCGGTTGATACTTAGTAACAA

figure 7

1 MGARVTPQDSGGLIGIENLPCELQRNFQLMRELDQRTEDKKAEIDILAAEYISTVKTLSP
 61 DQERVERQQKIQNAYSKCKEYSDDKVQLAMQTYEMVDKHIRRLDADLARFEADLKDKMEGS
 121 DFESSGGRGLKKGRGQKEKRGSRGRGRRTSEEDTPKKKKHKGGSEFTDTILSVHPSDVLD
 181 MPVDPNEPTYCLCHQVSYGEMIGCDNPDCEIWFHFACVDLTTPKPKGKWFCPRCVQEKRK
 241 KKZ

figure 8

CTGTCTTGGGCAGCTCAGAGAGAGAACATTTCTTTTCTTTTCTTTTTGATTTTTTTTTGGGGTGGAGTCT
CACCCTGTTGCCCAGGTTGGAGGGTGTGATCTCGGCACACTGCGGCCTCCACCTCCCAGGCTCAAGCGATTC
TCATGCCCTAGCCTCTCGAGTAGCTGGGACTGTAGCTGTGCACCACCACGCCTGGATAGTTTTTGTGTTTTT
AGTGGAGACGGGGTTTCACCATGTTGGCCGGGCTGGTCTTGAACCTCGACCTCAACTGATTTGCCTGCCTT
GATCTCCCAAAGTGCTGGGATTACAGGTATCGAGAACCTTCCCTGCGAACTTCAGAGGAACTTCCAGCTGAT
GCGAGAGCTGGACCAGAGGACGGAAGATAAGAAAGCAGAGATTGACATCCTGGCTGCAGAGTACATCTCCAC
GGTGAAGACGCTGTCTCCAGACCAGCGCGTGGAGCGCTGCAGAAGATCCAGAACGCCTACAGCAAGTGCAA
GGAATACAGTGACGACAAAGTGCAGCTGGCCATGCAGACCTACGAGATGGTGGATAAACACATTGGAAGGCT
TGATGCAGACCTGGCGCGCTTTGAAGCAGATCTGAAGGACAAGATGGAGGGCAGTGATTTTGAAAGCTCCGG
AGGGCGAGGGTTAAAAAAGGCCGGGGTCAGAAAGAAAAAGAGGGTCCCGGGGCGAGGCAGGAGGACATC
AGAGGAAGACACACCAAAGAAAAAGAAGCACAAAGGAGGGTCTGAGTTCCTGACACCATCCTGTCCGTGCA
CCCCTCTGATGTGCTGGACATGCCCCGTGGACCCAAACGAACCCACGTACTGCCTGTGCCACCAGGTCTCCTA
TGGGGAGATGATTGGCTGTGACAATCCAGACTGTCCAATTGAGTGGTTTCACTTTGCCTGCGTGGACCTTAC
CACGAAACCCAAAGGAAAATTGA

figure 9

1 MRELDQRTEDKKAEIDILAAEYISTVKTLSPDQRVERLQKIQNAYSKCKEYSDDKVQLAM
61 QTYEMVDKHIRRLDADLARFEADLKDKMEGSDFESSGGRGLKKGRGQKEKRGSRGRGRRT
121 SEEDTPKKKKHKGGSEFTDTILSVHPSVDLMPVDPNEPTYCLCHQVSYGEMIGCDNPDC
181 PIEWFHFACVDLTTKPKGKZ

figure 10

09715725 " 111600

FIGURE 11

ING2 Activates p53

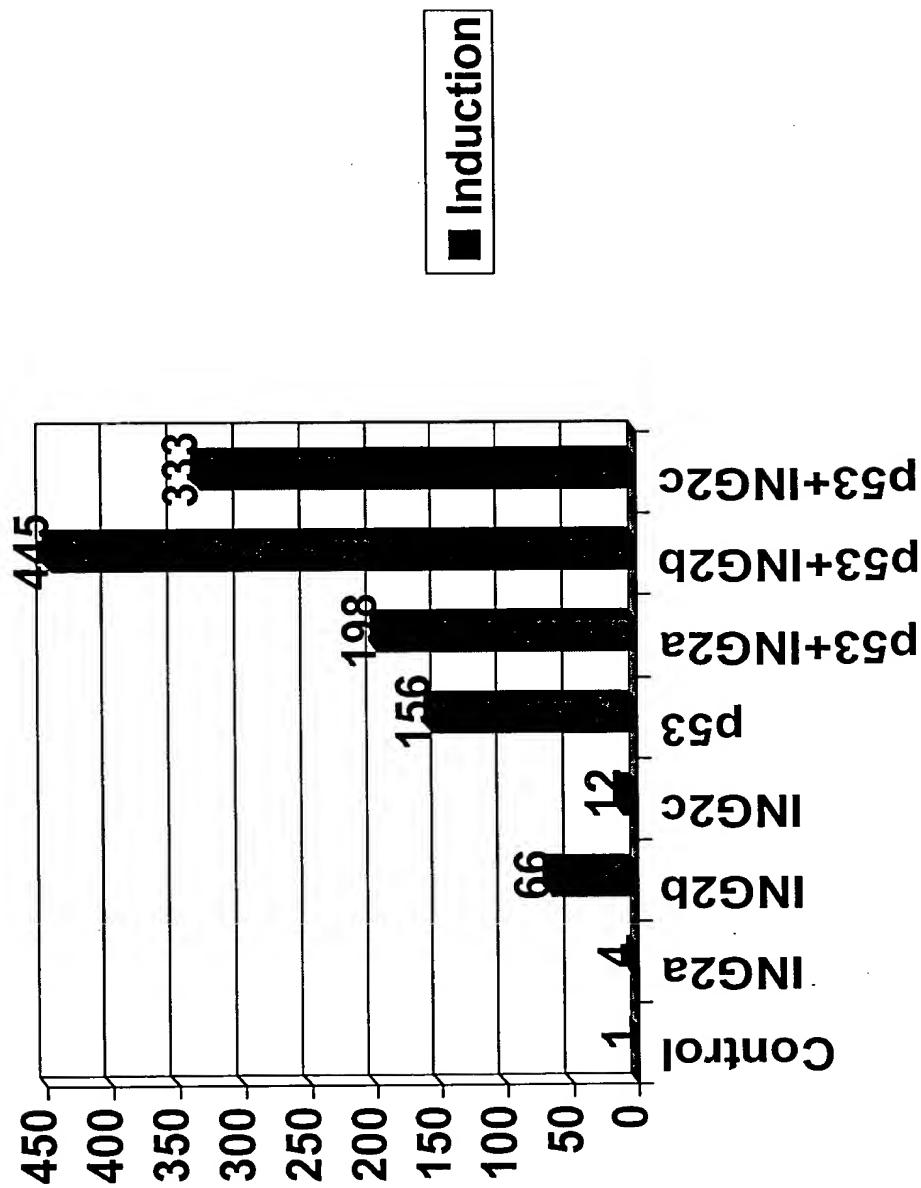


FIGURE 12.